

Better life expectancy of critical infrastructure with dynamic closed loop controls technology

Proserv is advancing control system technology to improve the lifespan and performance of critical offshore wind infrastructure. By enabling dynamic, real-time optimisation of turbine operations, they are helping operators balance performance, cost and long-term asset health.

Before

Proserv had already established a strong foothold in offshore wind with its ECG™ cable monitoring technology, gaining widespread industry support. Building on this, it identified an opportunity to extend its expertise into advanced control systems that could dynamically optimise turbine performance and lifespan. However, competing in a market dominated by global OEMs required clearer strategy around standards, certification and route to market, prompting Proserv to seek OWGP support.

During

Through the WEST programme, OWGP provided both technical and strategic support to help shape Proserv's technology and market approach. Workshops explored control optimisation, pricing strategies, retrofit opportunities and new O&M models, while also addressing challenges such as turbine end-of-life and system integration. This guidance helped Proserv refine its proposition, identify market opportunities, secure R&D direction and strengthen its position in a highly competitive global landscape.

After

Following OWGP support, Proserv has accelerated its growth in offshore wind, securing contracts in the UK and Norway and continuing to invest in new technology development. With a clearer strategy around standards, certification and market positioning, the business is expanding its offering and strengthening its role in delivering advanced control solutions to the sector.

How does this help deliver the IGP?

- Supports advanced turbine technology through real-time control optimisation
- Extends asset life and improves reliability of critical infrastructure
- Reduces operational costs through smarter, data-driven performance management
- Strengthens UK capability in control systems and offshore wind innovation

Dynamic control systems enable turbines to adapt in real time, maximising performance when it matters and protecting assets for the long term.



2 jobs created



Contracts secured in UK and Norway

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The WEST programme has enabled us to make key strategic business decisions on where to invest in innovation.

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Paul Cook
Vice President | Proserv
proserv.com



Advanced turbine technology

